Java Streams

A pipeline that processes a sequence of elements from a data source using a chain of intermediate / terminal operations, enabling functional-style and efficient data manipulation.)

What is required for a Stream?

1. Data source



2. Chain of intermediate operations

intermediate operations are lazy



3. One terminal operation

terminal operations are eager

Data Sources: Examples

java. util. Stream. Stream. Generate (SupplierXT7)

.... Aream. of (T... items)

..... Stream. Concat (Stream 1, Stream 2)

1 get method

.... Stream. empty()

java. vio. file. Files. lines (puth)

Intermediate Operations: Examples

Lilter (Predicate < T)

· map (Function < T, R)

· limit (int) Hot alaments to pass through · Skip (int)

~ "cs400", "java"

Terminal Operations: Examples

- find First ()
- · for Each (Consumer < T7)
- · Count ()
- · urin (Comparator < T>)
- · mas (Comparator <T>)